

Title (en)

Oxide superconducting material and method of producing the same

Title (de)

Oxidisches supraleitendes Material und Verfahren zu seiner Herstellung

Title (fr)

Matériau supraconducteur en oxyde et procédé de sa fabrication

Publication

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Application

**EP 99123713 A 19991129**

Priority

JP 33986798 A 19981130

Abstract (en)

An oxide superconducting material includes a REBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> phase (RE designating one or a combination of two or more rare earth elements including Y), particles composed of Ce, Ba, Cu and O dispersed therein, and RE<sub>2</sub>BaCuO<sub>5</sub> or RE<sub>4</sub>Ba<sub>2</sub>Cu<sub>2</sub>O<sub>10</sub> dispersed therein. A method is provided for producing the superconducting material from a mixed powder obtained by adding a Ce-Ba-Cu-O system additive to a starting material powder containing RE, Ba, Cu and O. <IMAGE>

IPC 1-7

**H01L 39/12**; **C04B 35/45**

IPC 8 full level

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CPC (source: EP US)

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